Acknowledgements

My heartfelt gratitude to my research guide and mentor Prof. G. R. Naik, Department of Biotechnology, Gulbarga University, Kalaburagi for his valuable guidance, constant supervision and support. I am grateful to him for believing my abilities and offering me the utmost independence at work during my research program. He is a man of perfection, unbeatable punctuality, sincerity, hardworking, perfection and patience has made him a respectable human being with a scientific personality. I feel honored to be able to work under such an excellent personality with high spirits for life.

I am grateful to Prof. Ramesh Londonkar, Department of Biotechnology, Gulbarga University, Kalburagi for his constant encouragement and support during my research work. I heartily oblige to Prof. Chandrakanth R. Kelmani, Department of Biotechnology, Gulbarga University, Kalburagi, for his constant encouragement, extensive support and co-operation during my research work. I convey my earnest gratitude to Dr. M. B. Sulochana, Associate Professor, Department of Biotechnology, Gulbarga University, Kalburagi, for her regular encouragement, support and co-operation during my research work.


I extend my gratitude to Dr. R. Sripriya, Project Faculty, School of Biological Sciences, Madurai Kamaraj University, Madurai for her guidance on Plant Genetic Engineering by UGC-NRCBS winter school training and providing the necessary materials for my research work.

My special gratitude towards Dr. Navin Sharma, Programme Director-Biofuels, International Centre for Research in Agroforestry (ICRAF), World Agroforestry Centre, New Delhi for his encouragement and support during my research work.

I specially thank to Karnataka State Biofuel Development Board (KSBDB) and Mahatma Gandhi Institute of Rural Energy and Development (MGIRED) for adding value for my work. My particular thanks to Shri. Y. B. Ramakrishna, Mr. S. N. Sandur and Shri. Punati Sridhar for their support and appreciation.
I go short of words to express my heartfelt grateful and thankful to my research scholars Dr. Ravi Ranjan, Dr. Savitha, Dr. Srinivas, Dr. Ajay Oli, Dr. Nagaveni, Dr. Sharada, Dr. Merely, Dr. Anil, Dr. Jayachandra, Dr. Abhay, Dr. Rani Rukmini, Dr. Hanumanth and Dr. Renuka for their encouragement, moral support, help throughout my research studies.

My research would be incomplete without the help, support, encouragement and care from my dear friends Swati Sonkawade, Parameshwar Biradar, Manjunath Chavadi, Umesh M. K., Rahul Kambar, Sanjeev B. and Mohan Reddy.

I am also thankful to my colleagues Gayatri, Pramod Kulkarni, Prithviraj, Rashmi, Tathagat, Ravi, Ashmita, Jayashree Uppin, Pramod Desai, Kiran, Jayashree, Dr. Asha, Arunashree, Basawarajeshwari, Prabhurajeshwar, Ashajyothis and from department of Biotechnology. Dr. Kiran, Jagadish, Dr. Madhusudhan, Sagar and Mounesha from other department of Science and Technology, Gulbarga University, Kalaburagi for their encouragement during my research work.

I also thank non-teaching staff Mr. Prakash, Mr. Sanganna, Mr. Dinesh, Mr. Prakash Gola and Mrs. Nagamma for their support.

I always remember my young buddies of MSc batch students from 2011-15 especially Late. Suresh, Vanishri, Ravikiran, Pavan, Renu Sharma, Sonali, Neha, Sahiba, Jyoti, Khaja, Ankur, Suresh and Chidanand for their support during my research.

I express my sincere gratitude to Mrs. Saritha G. Naik for her moral support, care and encouragement throughout my research period.

I also thank Mr. Anil Niturkar and Mr. Mastan Biradar, Non-Government Organizations (NGO’s) lead members who are working and supporting us in the development of Biofuel policy in North Karnataka (Hyderabad Karnataka) region.

The greatest support, love, care, faith, inspiration and encouragement were from my family members Smt. Indumati (Mother), Veershetty (Father), Late. Vishal (Brother), Ashwini (Sister), Late. Shakuntala (Grand Mother), Channashetty (Uncle), Suma (Aunti), my nieces Shloka and Spoorthi.

I thank the Almighty God for blessing me although my life.

Vinod Kumar Patil